Google Cloud

Lab - Service Callout and Advanced Mediation

# Add a new Conditional flow for /trucks/{id}

- Conditional Flow: /trucks
- This goes in the Conditional Flows section of the "default" proxy endpoint:

```
<Flow name="trucks">
        <Condition>(proxy.pathsuffix MatchesPath "/trucks/*")</Condition>
        <Request>
            <Step>
                <Name>extract-truckname</Name>
            </Step>
        </Request>
        <Response/>
</Flow>
```

# Extract URL path info

- Create a new Extract Variables policy
- Modify the content to extract the Truck Name from the request URI

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ExtractVariables async="false" continueOnError="false" enabled="true"
name="extract-truckname">
    <DisplayName>extract-truckname</DisplayName>
    <Properties/>
    <URIPath>
        <Pattern>/trucks/{truckname}</Pattern>
    </URIPath>
    <IgnoreUnresolvedVariables>true</IgnoreUnresolvedVariables>
    <Source clearPayload="false">request</Source>
</ExtractVariables>
```

# Test

- Send a request to /trucks/{truckname}
  - Provide the truck name in the URL (without the braces, e.g., ".../trucks/AMS1234")

- You should see truck info in trace variable "truckname" ( = AMS1234 )

# Attach a ServiceCallout policy to /trucks/* request flow

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ServiceCallout async="false" continueOnError="false" enabled="true" name="sc_getRating4truck">
  <DisplayName>sc_getRating4truck</DisplayName>
  <Properties/>
  <Request clearPayload="true" variable="myRequest">
        <IgnoreUnresolvedVariables>false</IgnoreUnresolvedVariables>
        <Set>
          <Verb>GET</Verb>
          <QueryParams>
            <QueryParam name="ql">select * where truck='{truckname}'</QueryParam>
            <!--<QueryParam name="ql">truck='{truckname}'</QueryParam> Alternate -->
          </QueryParams>
        </Set>
  </Request>
  <Response>ratingsResponse</Response>
  <HTTPTargetConnection>
    <Properties/>
    <URL>https://apibaas-trial.apigee.net/<yourOrg>/sandbox/ratings</URL>
  </HTTPTargetConnection>
</ServiceCallout>
```

- Test and view Trace to validate the callout is returning an appropriate response

**Google** Cloud

# Add the Service Callout

```
<Flow name="trucks">
  <Condition>(proxy.pathsuffix MatchesPath "/trucks/*")</Condition>
  <Request>
      <Step>
            <Name>extract-truckname</Name>
      </Step>
      <Step>
            <Name>sc_getRating4truck</Name>
      </Step>
  </Request>
  <Response/>
</Flow>
```

- Test and validate the callout is returning an appropriate response

# THANK YOU